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What is a Star?

Introduction

A star is a huge ball of hydrogen gases that has been sustaining life on Earth. Our solar system is made up of eight planets that orbit around this star called the Sun. It is believed by many to have been created by a scientific theory called the Big Bang Theory.

How the Sun Sustained Life on Earth

The sun nourishes plants with good nutrients, so plants can grow. This process is called photosynthesis. When it is sunny, plants get the healthy nutrients, then humans eat the plants so they can survive.

Size of VY Canis Majoris

Even though the sun is a massive star, there is a star that is approximately 2.9 billion times bigger that it. It is called VY Canis Majoris also known as the red supergiant.

Black Holes

Black holes are the last evolutionary form of stars. The end of a star’s existence happens when it runs out of hydrogen. When a black hole occurs, stars can expand 15-20 times larger than the sun.

Conclusion

Although stars are millions of kilometres away, they are essential for supporting life on Earth because their light helps to sustain life on Earth.